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Hab. *Cuscuta Gronovii* Willd. Near Camden, New Jersey, Autumn.

Another scarcely less interesting fungus has been received from Mr. J. B. Ellis. It is a Rœstelia on the leaves of *Pyrus arbutifolia* L. It is remarkable for its effect upon the leaf tissues, forming them into a much thickened and peculiar subiculum, and, in the language of Mr. Ellis, "often transforming a leaf into a tubercular mass after the manner of Podisoma on the red cedar." This subiculum is composed of crowded subcylindrical or cornute projections united at the base in a common mass, each one bearing a single peridium at its apex. I suspect that these projections may be less prominent in fresh specimens. They are strongly suggestive, by their form not their texture, of the elongated peridia of *Rœstelia cornuta* Tul., while the true peridia, that surmount them, are lacerated into such fine filaments as to be suggestive of the peristomal fringe seen on the capsules of some species of Barbula. I do not find this fungus described and, from the notes of Mr. Ellis and an examination of the dried specimens, have drawn up a description under the very appropriate name given by its discoverer.

Rœstelia transformans Ellis. — Spots red; subiculum much thickened, produced into tufts of crowded subcylindrical or cornute processes, red or brownish, sometimes transforming an entire leaf; peridia at the apices of the projections of the subiculum, finely lacerated, whitish, the cells linear, minutely papillose; spores subglobose, minutely roughened, brownish, .00065—.00075 inch in diameter.

Hab. Leaves of *Pyrus arbutifolia* L. Newfield, New Jersey. October. C. H. Peck.

§ 70. **New Fungi**, by E. C. Howe, Yonkers, N. Y.

1. **Puccinia curtipes**, n. sp.—Spots pallid or brownish; sori scattered, more or less confluent, roundish or oblong, surrounded by the broken epidermis. Spores light brown, elliptical apiculate, usually marked with delicate striæ. Pedicels short or wanting. Both sides of the leaves of *Saxifraga*.—May. June.

2. **Uromyces Peltandræ**, n. sp.—Spots yellowish brown; sori scattered, sometimes confluent, roundish or oblong; spores yellowish brown, oblong elliptical or subglobose, apiculate or tipped with an umbo. Pedicels short, often rudimentary but always present. Leaves of *Peltandra*.—Summer and Autumn.

3. **Podosphæria minor**, n.sp.—Conceptacles scattered or crowded; appendages 10–20, as long or a little longer than the diameter of the conceptacles. Leaves of *Spiræa*.—Oct.

4. **Microsphæria Symphoricarpi**, n. sp.—Mycelium effused, subpersistent; conceptacles scattered or crowded; appendages 8–16, 2–4 times the length of the diameter of the conceptacles, 3–5 times dichotomous, ramuli divaricate, tips variable, often truncate, never curved, sporangia 4–6 with 3–5 spores. Leaves of *Symphoricarpus*. Nov.

5. **Microsphæria Menispermi**, n. sp.—Mycelium webby, effused, often evanescent; conceptacles scattered or gregarious, minute,

globose; appendages 10-20, about as long as the diameter of the conceptacles; sporangio 5–6 with 3-6spores. Leaves of *Menispermum.* Oct.—Related to *M. Alni* by its bicornute ramuli.

6. **Microsphæria Platani,** s. p.—Mycelium evanescent; conceptacles minute, globose, scattered; appendages 10–18, longer than the diameter of the conceptacles, tips of the ramuli strongly curved; sporangia 4–5 with 4–5 spores. Leaves of *Platanus.* Oct.—A distinct and beautiful species.

7. **Uncinula helic formis,** n. sp.—Mycelium obscure; conceptacles scattered, minute, globose; appendages 15–30, once or twice the length of the diameter of the conceptacles, spirally coiled above, colored at base; sporangia 4–6 with 3–6 spores. Leaves of *Populus balsamifera.*—Oct.

§ **71. Catalogue of Suffolk Co. Plants.**—Mr. E. S. Miller, of Wading River, and Mr. H. W. Young, Aquebogue P. O., Suffolk Co., N. Y., the enterprising and sagacious young botanists of the eastern end of Long Island, have here collected a list of 871 species of plants found in what is not usually considered a fertile portion of the State. More than nine-tenths of these have been collected by themselves within the last two or three years, and such is their activity that we have no doubt that they will continue to add largely to the number for some years to come, especially as there are many plants not yet on the list which might be expected to occur, as, to take for example a lacuna which presents itself in the very first order, *Actæa* and *Cimicifuga*, the former of which we are tolerably sure of having found at Miller's Place not very far from Wading River, while Cimicifuga abounds on this end of Long Island. On the other hand, they find quite a number of species never before found in the State, or very rarely, and some Southern forms. The latest discovery we believe is that by Mr. Miller of *Bromus tectorum*, L., a European grass never before reported in this country. Those who would like to study this Catalogue can obtain it from either of the editors for ten cents. We notice an error in the title, as the list does not include all the acrogenous species, ending with Lycopodiaceæ and omitting the Muscal Alliance.

§ **72. Botanical Directory.]**

ADDITIONS.

Bibbins, R. K. Plattville, Kendall Co., Ill.
Briggs, S. A., Englewood, Ill. *Diatomaceae.*
Clarke, Mrs. —, Jamaica Plain, Mass.
Hadaway, Mr. —, Stony Brook, Suffolk Co., N. Y.
Mill, C. P., Estonville, Philadelphia, Pa.
Miller, F. A. (Miller & Sievers), San Francisco, Cal.
Munroe, H. F., 781, W. Jackson St., Chicago, Ill.
Page, Miss Ann L., Danvers, Mass.
Putnam, C. A., Salem, Mass. *Cult.*
Putnam, Francis, Salem, Mass. *Cult.*
Sears, J. H., Danvers, Mass. *Spec. Trees.*

CORRECTIONS.

Bebb, M. S., Ill. *Spec. Cult. Salices.*
Babcock, H. H., 11, 18th St., Chicago, Ill.
Darby, Dr, John, Millersburg, Ky.
Errington, Miss H. N., Clifton, Richmond Co., N. Y. *Spec. Californian.*
Errington, Miss G., N. Y. *Spec. Staten Island.*
Fuller, Chas. B., Me. *Marine Algae.*
Gillman, Henry, 80, Elizabeth St. West—not West Detroit.
Howland, Mrs. Francis, Englewood, N. J.
Johnson, Dr. H. A., Ill. Not active.
Knighton, Rev. Dr. Frederick, Cranbury, N. J.
Lyons, Dr. A. B., 54, Fort Street West—not W. Detroit.
Parker, Chas. F., 524, N. 2d St., Camden, N. J.
Putnam, F. W., not a botanist, but the name is kept in on account of the *Naturalists' Agency* which is of interest to botanists.
Rauch, Dr. J. H., Ill. Not active.
Smith, Dr. George, Darby, Delaware Co., Pa.
Tatnall, Ed., Del.
Warne, H. A., Oneida, N. Y.